

INTERNATIONAL SEARCH REPORT

Application No

PCT/NL 03/00649

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 E04H6/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 E04H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 94 11598 A (THYSSEN AUFZUEGE GMBH) 26 May 1994 (1994-05-26) page 9, paragraph 2 -page 12, paragraph 2; figures 3,4 -----	1,5,8
A	US 3 497 087 A (VITA LAWRENCE) 24 February 1970 (1970-02-24) column 8, line 24 - line 59; figure 8 -----	1,5,8
A	US 5 980 185 A (VITA LAWRENCE) 9 November 1999 (1999-11-09) cited in the application the whole document -----	1

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the International search

18 December 2003

Date of mailing of the International search report

05/01/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Vrugt, S

INTERNATIONAL SEARCH REPORT

Application No

PCT/NL 03/00649

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 9411598	A	26-05-1994	DE	4238322 A1		19-05-1994
			DE	4338341 A1		11-05-1995
			CA	2149134 A1		26-05-1994
			WO	9411598 A1		26-05-1994
			DE	59308552 D1		18-06-1998
			EP	0670948 A1		13-09-1995
			ES	2118361 T3		16-09-1998
			JP	8503037 T		02-04-1996
			JP	3172535 B2		04-06-2001
			KR	242726 B1		01-02-2000
			US	5456562 A		10-10-1995
US 3497087	A	24-02-1970	NONE			
US 5980185	A	09-11-1999	AU	8666098 A		22-02-1999
			JP	11131849 A		18-05-1999
			WO	9906655 A1		11-02-1999